

PowerBrick

PowerBrick is a low-voltage product designed for household energy storage scenarios with a stylish and elegant appearance. It uses a high-capacity 280Ah battery to support 50 parallel units with a capacity range from 14.3kWh to 716.8kWh. It provides a highly safe, reliable, intelligent and friendly experience.



Ultra Safe

Intelligent fire extinguishing system, react within 5 seconds



No Black Out

Maximum discharge current: 200A, simultaneously supplying power to multiple loads



Flexible Expansion

Up to 50 units in parallel, 14.3kWh--716.8kWh capacity



Easy Installation

60% less volume, 25% less weight. easy to move by one person with wheels



Long-term Reliability

LFP cells, long cycles, 10 years warranty



Smart Management

Real-time system monitoring, remote control, OTA updates

| Model | PowerBrick |
|--------------------------------------|--|
| Battery Type | LiFePO ₄ |
| Nominal Battery Energy | 14.336kWh |
| Nominal Voltage/Capacity | 51.2V/280Ah |
| Recommended Charge/Discharge Current | 140A (0.5C) |
| Max. Charge Current | 200A |
| Max. Discharge Current | 200A |
| Peak Discharge Current | 300A (2mins, 25°C) |
| Depth of Discharge | 95% |
| Communication | CAN/RS485 |
| Cycle Life[1] | ≥8000 cycles / 10 Years |
| Protection Level | IP20 |
| Net Weight | 114Kg |
| Dimension[W/D/H] | 435/233/857mm (No wall -mounted bracket) |
| Regulating wheel (4pcs) | 1kg, 80/80/80 (optional) |
| Top cover | 2kg, 422/232/60 (optional) |
| Maximum Parallel Modules | 50 |
| Charging Temp. Range | 0°C~55°C/-20°C~55°C (optional) |
| Discharging Temp. Range | -20~55°C |
| WIFI Module | Built-in WIFI module; APP OTA function |
| Fire Protection System | Built-in aerosol fire extinguisher |
| Certification & Safety Standard | UN38.3/CE-EMC/IEC62619 |
| Compatible Inverters | SMA/Victron energy/Ingeteam/Solis/GoodWe/ Growatt/Solplanet/Luxpower/DEYE/Apsystem etc. |

* Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD

